

AIM Ann Report
1947 to 1948

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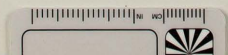
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ANNUAL REPORT
OF THE
AUCKLAND
INSTITUTE
AND MUSEUM
1947-48



For presentation at the Annual
General Meeting to be held on
31st May, 1948.

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Hon. Curator of Oriental Collections	CAPT. G. A. HUMPHREYS- DAVIES.
Botanist	R. C. COOPER, B.COM.
Ornithologist and Entomologist ..	E. G. TURBOTT, M.SC.
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Associate Ethnologist	OLWYN M. TURBOTT.
Geologist	M. H. BATTEY, M.SC.
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Assistant Education Officer	MARJORIE L. HURREY.
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Library Assistant	JOYCE BARTLEY.
Bookkeeper and Typist	JEAN KIDSON; ALIX MUL- LIONS.
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W. J. DUNLEVEY, J. FREESTONE, A. WHITE.

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AND
MUSEUM
1947-1948

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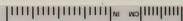
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Director:

GILBERT ARCHEY, O.B.E., M.A., D.SC., F.R.S.N.Z.

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Reports to Members

President

It is with pleasure we record another year of activity on behalf of the Museum in which members of the Institute and of the general public have participated. It is also a year marked by support in generous measure by institutions and citizens of Auckland. Among gifts received during the year are:

A gift of £5,000 by Trustees of Auckland Savings Bank, marking the centennial year of establishment of the bank. Possible uses for this money, given for capital purposes, may be the provision of show cases and further equipment required now, and when the Museum buildings are extended. In the meantime the money is in the hands of the Trust Board for interest-bearing investment.

A bequest by the will of the late Mr. A. V. Hanson, which will probably amount to £1,500.

A gift of £50 by the Auckland Electric Power Board.

Many valuable books on voyages of discovery and early history of New Zealand and the Pacific obtained through the endowment made by Mr. Edward Earle Vaile. From this fund also were purchased two important collections of Maori arts and crafts.

Part of a monetary gift made a few years ago by a life member and his wife has been spent on much-needed steel book-cases, and mineralogical specimens and equipment have been secured through the Robert C. Horton fund.

The gift by Mr. Jas. C. Entrican of the whole of his extensive collection of coins, tokens, medals, medallions and paper money, together with his library of books on Numismatics.

An extensive collection of newspaper records, reports, magazines, illustrations and books from Mr. George Finn.

"The Iron Duke"—Viscount Jellicoe—Saunders Cup, Racing 14-Footer, presented by Lieutenant A. G. Carnahan, R.N.R.,

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Membership of the Institute.—During the year 92 ordinary members and 17 life members have been enrolled, but we have lost from various causes 38 members. Our membership is now 787, of whom 223 are life members. While membership has steadily increased of late years, it is still not what one would expect from the population of the city and province, which is fortunate and proud to have the War Memorial Museum as one of its valued institutions. The care of the Museum is vested in the Institute, and the Institute would be helped financially and in other ways by an increased membership.

Obituary.—The death during the year of the following members is recorded with regret: Dr. H. A. Cooper, Messrs. H. R. Bloomfield, R. A. S. Browne, S. Edwards, J. L. Hanna, R. C. Horton, E. W. Inder, E. P. Mitchelson, E. W. Sharp, W. R. Simpson, Hugh Wright, and E. Yates.

Finance.—In common with all institutions, the Museum has had to meet increased costs in providing for and rendering its services to the public. Increased contributions from Local Authorities agreed to recently have come most opportunely, and while this has made possible increased staff remuneration, increases made necessary by present conditions, the Council regrets that it has not been found possible to provide all the additional services it had hoped to do; it may be mentioned that all the important purchases of specimens, exhibits and equipment made during the year have been from endowments and donations by generous citizens.

Council.—New members elected to represent local bodies other than the City Council, on the Council of the Institute, are Messrs. E. Hay, A. W. Joughin, and A. E. Traves; and while welcoming these gentlemen, the Council acknowledges with gratitude the services rendered to the Museum by the retiring members, Messrs. P. R. Burton and C. M. McCullough.

Honours.—Congratulations are extended to the Assistant Director, Mr. A. W. B. Powell, on the well-merited award of the Hector Medal for zoological research; to Professor Forder on his election as Fellow of the Royal Society of New Zealand; and to Mr. N. R. W. Thomas on the award of the Loder Cup for encouraging the study and cultivation of native plants. At the last Annual Meeting the members elected Sir Frank Mappin and Mr. J. C. Rennie Honorary Life Members in recognition of their notable services to the Institute and Museum.

We feel that members would wish to join the Council in complimenting Mr. Powell on his admirable handbook on the

"Native Animals of New Zealand," which has been and still is in great demand, 5,790 copies having already been sold. We would also compliment the Librarian, Miss Evans, on the detailed list of scientific periodicals in the Library, which will be of great assistance to scientists as well as to other libraries.

Visitors.—During the year many people from overseas as well as from other parts of the Dominion have visited the Museum, and have expressed their appreciation of the building and of the work being carried on in it. Among these visitors the Council expresses its pleasure at receiving Mr. Whitney H. Shephardson, representing the Carnegie Corporation, also Sir Reginald Stradling and Sir Clifford Patterson from England.

Public Activities.—The Director and the writer represented the Museum at the formation of the Art Galleries and Museums Association of New Zealand. The establishment of this body is a forward step in the development of museum service, and will ensure co-operation among museums, with united and therefore stronger action in scientific research and education, both for schools and the adult community. The Council has joined the new body. The Council has set up an Adult Education Committee, under the chairmanship of Mr. P. Martin Smith, to further an interest in natural history and science in the community. A seat on the Auckland Regional Council for Adult Education, for which the Council of Auckland University College invited the Institute to make a nomination, has been taken by Dr. Archey.

The Council has given active assistance to the endeavours being made to preserve intact Waipoua Forest, and has become an institutional member of the Waipoua Forest Preservation Society. Members are urged to support the Council's and the Preservation Society's efforts. The Council has also given consideration to the intrusion of exotic pines and browsing animals on Rangitoto Island. Here also it asks members to co-operate with it and with the Rangitoto Domain Board in whatever efforts may be entered upon to eradicate these pests.

Pacific Science Congress.—The Royal Society of New Zealand has invited the Auckland University College and the Institute and Museum to be joint host institutions for the Auckland sessions of the Seventh Pacific Science Congress in February, 1949. An Administrative Committee (Chairman, Dr. Archey) and a Programme Committee (Chairman, Dr. Cumberland) have been formed and, with the assured co-operation of the City Council and other local bodies and societies, adequate provisions for this important event will be made. Members of the Institute are asked to give the Congress their full support.

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The War Memorial.—At the last annual meeting Mr. J. C. Rennie, the then President, reported that His Worship the Mayor had recommended the completion of the Museum building as a memorial to those who died in the Second World War, so that Auckland's War Memorial would not be divided, but would maintain unity in the memorial to the sacrifice made for the same cause by those who served in each of the two world wars. The recommendation was placed before a meeting of citizens in the Town Hall on 15th July, 1947, when the following resolution was approved:

"That the proposal to extend the Auckland War Memorial Institute and Museum be adopted and that the first moneys expended on the proposed War Memorial be on the completion of the Hall of Memories by placing therein the names of those who fell in the recent war, and the names of those who fell in the previous war and which have not been included in the Hall of Memories."

It was further resolved that the proposal be submitted to the Government for approval as to subsidy.

A further meeting of citizens was held in the Town Hall on Thursday, 22nd April, 1948, when His Worship the Mayor, Mr. J. A. C. Allum, reported that he was now in receipt of a communication from the Minister of Internal Affairs (Hon. W. E. Parry, M.P.) advising him that the Government is prepared to subsidise, pound for pound, the moneys raised by direct contribution for the extension of the Auckland War Memorial Museum as the memorial for the City of Auckland for the War of 1939-45, except that neither contributions from local bodies, other than the City Council, that were applying for a subsidy for a local memorial, nor loan moneys would be subsidised.

The privilege and honour of caring for the extended and unified memorial to those who, in two Great Wars, "passed out of the sight of man by the path of duty," will be accepted with an earnest sense of the high responsibility entailed. Members of the Institute and Museum when they have the opportunity of contributing to the memorial fund will, I am sure, respond in fullest measure, and during the years that must pass before the building can be erected the Council will continue its endeavours to extend and augment the Museum activities and services so that the completed War Memorial Museum will not only stand as an inspiring memorial but will also become increasingly a living centre in the city for education and of cultural recreation that will enrich and enhance the qualities in our community life.

THOMAS BLOODWORTH.

Chairman of the Trust Board.

The capital funds under the administration of the Trust Board received a notable addition during the year, by the generous centennial gift of £5,000 made by the Auckland Savings Bank. This sum is for capital purposes, and it could be applied later, when the present shortage of material is alleviated, for the purchase of additional showcases or equipment; in the meantime, the money has been invested in War Savings Certificates.

A new lease of the Queen Street property recently given by Mr. Vaile has been concluded on satisfactory terms. The renewal of the roof of this building has been completed, and we acknowledge a generous contribution of £200 towards this from Mr. Vaile.

With the repayment during the year of mortgages, the Board now has only three investments on mortgage, the greater part of the investment capital being in Government stocks and local body debentures.

The life members' subscription account increased by £168 and now stands at £3,589/11/5.

V. J. LARNER.

Director

Institute Meetings.—Members were favoured last year with nine addresses by visitors in addition to the syllabus of lectures initially arranged. Our appreciative thanks for interesting lectures given are due to:—

Dr. E. M. Blaiklock, M.A.: "Aristophanes the Satirist: A Study of Comedy in a Time of War."

Dr. R. B. Goldschmidt, Professor of Genetics, University of California: "Only a Fly's Wing."

Mr. V. F. Fisher, M.A.: "The Nature Lore of the Maori."

Dr. W. M. Hamilton: "Land Utilisation in the Whangarei County."

Dr. D. Brown: "Atomic Energy."

Dr. K. B. Cumberland, M.A.: "Haushofer and Hitler: The Corruption of Geographical Science."

Dr. T. R. Vernon: "Antibiotics."

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Professor C. G. F. Simkin, M.A.: "New Zealand's Interests in the Post-War Pacific Settlement."

Sir Stanton Hicks, M.D., Ph.D., University of Adelaide: "Positive Health."

Mr. James Fitzsimons, F.R.C.S. (Eng.): "Surgery Without Fear."

Dr. R. A. Falla: "UNESCO: Hope For United Nations."

Dr. Robert Cushman Murphy, Dean of the Ornithological Staff of the American Museum of Natural History: "A Biologist on the Antarctic Fringe."

Sir Reginald Stradling, C.B., F.R.S.: "Problems of Building Research."

Dr. Robert Cushman Murphy: "Wildlife Conservation."

Dr. L. J. Comrie, M.A.: "Computing Machines."

Sir Clifford Patterson: "Wartime Electrical Developments."

At the three ordinary meetings papers were read by: Mrs. O. M. Turbott, Miss M. W. Crookes, Dr. L. H. Briggs, Dr. G. Blake Palmer, Mr. J. B. Brown, Mr. A. W. B. Powell, Dr. D. Brown, and Mr. Harvey C. Smith.

Sunday Lectures.—Public attendance at the series of seven Sunday afternoon lectures was again encouraging, accommodation in the Library being several times overtaxed. Contributors to the series were:—

Mr. J. C. Andersen: "New Zealand Trees."

Miss B. E. G. Molesworth: "Strange Plants of the Craigieburn Mountains."

Mr. M. Te Hau: "An Analysis of the Tangi."

Mr. E. G. Turbott: "Little Barrier Bird Sanctuary."

Mr. J. A. McPherson: "The Royal Botanic Gardens, Kew."

Mr. M. H. Battey: "Floating Islands."

Mr. V. F. Fisher: "Easter Island."

Members of the staff also gave lectures to outside societies and clubs.

Anthropology and Maori Race Section.—The Section experienced another very successful year; membership increased from 37 to 53, while attendances at lectures ranged from 30 to 80 with an average of 50. An interesting and encouraging feature has been the vigorous discussion following lectures.

Lectures were delivered by Lieut.-Col. E. R. Sawyer, Dr. G. Blake Palmer, Messrs. J. C. Andersen, V. F. Fisher, M. Te Hau and K. T. Harawira, while one evening was devoted to a very interesting discussion, most ably led by Messrs W. Cooper, S. Tana, Boyes, Patrick Smythe and Professor Keyes.

The Officers for the year were:—

Chairman, Dr. G. Blake Palmer; Hon. Secretary-Treasurer, Mr. A. L. L. Smith; Committee, Miss O. L. G. Adams, Mrs. O. M. Turbott, Dr. J. B. Liggins, Mr. V. F. Fisher, Mr. A. D. Mead; Hon. Auditor, Mr. H. B. Wilkinson.

— The thanks of the Section are due to the various speakers who have so generously given of their valuable time and extensive knowledge and experience. Interest in the Section is obviously growing, and an increase in membership during the coming year is anticipated. The Section has been most fortunate in obtaining the use of the Botany Theatre, Auckland University College, for its lectures, and warm thanks are due to Professor Chapman for readily granting the facilities of the botany theatre for the Section meetings.

Astronomical Section.—The Auckland Astronomical Society's usual activities, which lapsed during the war years, were resumed in 1947 with every evidence of enthusiasm among members. Notable among the lectures given during the session was that of Dr. Comrie, a former Aucklander who has become an authority on computing and computing machines in England. An observatory sub-committee has busied itself exploring alternative plans for a permanent observatory when conditions permit its erection and meanwhile has been loaned a 12in. reflector which it is hoped to use temporarily on a suitable site. The formation of a junior section of the society interested more than 50 schoolboys and girls, but the meetings of the youngsters were interrupted by the poliomyelitis restrictions.

The Society's Officers are: President, Mr. R. A. McIntosh; Vice-President, Professor P. Burbidge; Executive, Messrs. Jackson, Meyer, Rounthwaite, Thompson; Secretary, Mr. J. L. Stichbury (Ostrich Road, Patumahoe); Treasurer, Mr. G. Leese.

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Exhibitions.—The tour throughout New Zealand of the British Council Rural Crafts Exhibition commenced with a display in the War Memorial Museum from 22nd May to 1st June. This notable exhibition was excellently attended; grateful appreciation is expressed to the British Council and to the Education Department for the opportunity of studying so many fine examples of British craftsmanship.

Local handiwork of a high order was seen in the Auckland Model Aero Club's exhibition of model aeroplanes, gliders and engines. Such exhibitions are welcome, both as a means for a technical club to demonstrate its activities to a wider public and as an opportunity for Museum visitors to examine finely made models of modern technical productions.

Publications.—"Native Animals of New Zealand," in which the Assistant Director, Mr. A. W. B. Powell, gives an account of all types of our native fauna, has experienced a hearty reception, the first edition of 4,000 copies being bought within fourteen weeks, and a second edition being already more than half sold. School teachers and pupils alike welcome Mr. Powell's clear descriptions and admirable pen-drawings. Heavy calls have also been made by the schools on Mr. Turbott's insect leaflets, which will shortly have to be reprinted.

Miss Evans' published list of all the scientific periodicals contained in the library will be of service to all libraries and research institutions.

The customary annual issue of the Museum "Records" contains scientific papers by Mrs. Turbott, Mr. Powell, Dr. H. B. Fell, and Mr. G. Chamberlain.

Research.—Notwithstanding the somewhat limited equipment available, a not inconsiderable body of research is accomplished. In this connection members of the staff join in congratulating their colleague Mr. Powell on the award of the Hector Medal for his distinguished researches in Zoology.

Transport, one of the most needed facilities for natural history study, has been liberally supplied by members of the Institute and by friends, and also by the Marine Department's fisheries research vessel. A lapidary's wheel has been provided from the Robert C. Horton geological fund, and a modern petrological microscope is on order. The successful provision of additional study space by the construction of a mezzanine floor in the geology department a year ago has been repeated for the botany department.

All members of the scientific staff attended the New Zealand Science Congress in Wellington and several papers were contributed. During this year they are participating in making arrangements for the Seventh Pacific Science Congress, which will open in Auckland next February.

Staff.—Mr. R. C. Cooper, B.Com., has been appointed to the position of Botanist in the place of Miss B. E. G. Molesworth, who resigned to go overseas. Miss Molesworth's readiness to help enquiring visitors, her able organization of the continually expanding Spring Flower Show and her activities on behalf of the Botanical Society earned for her, and for the Museum, many friends and well-wishers.

Student assistants gave valuable part-time service during the year in the scientific departments and in the library. Mr. T. Lambert resigned from the position of Record Assistant. Mr. Utu Taramai, at the request of the Rarotonga Museum Association, has been given training during the year in different phases of Museum work.

Accessions.—The past year has been marked by the notable additions that have been made to the collections besides those already mentioned by the President. We make cordial acknowledgment of an old English "Laundau" presented by Alfred J. Cox; Javanese Dancing Masks, Carvings and Batik by Dr. S. Koperberg; a Set of delicately carved Bone Spear Points by Mr. S. V. Caulton; additions to the collection of Georgian Silver by gift and loan from Mr. W. Wallace Gunson; a magnificent Hawaiian Feather Cloak received in exchange from the Cambridge Museum of Archaeology and Ethnology; an exceptionally fine T'anoa or Kava Bowl from Mr. Geoffrey Upton, and a finely carved wooden Flute the gift of Mr. H. B. Minchin.

GILBERT ARCHEY,

Director.

Assistant Director

The year has been exceptional in the opportunities afforded for the carrying out of field work. This was made possible by the generosity of Messrs. R. A. and H. S. Prouse, of Levin; A. C. O'Connor, of Wellington; and N. Gardner, of Auckland; each of whom provided transport and co-operated in the investigations, which were concerned with the distribution of native land snails.

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The areas worked were the east coast from Whangarei to Cape Maria van Diemen, west coast from Hokianga to Dargaville, Horowhenua from Levin to Tokomaru, and the west coast of the South Island from Westport to north of Karamea.

The Fisheries Department, Wellington, made available the Research Trawler "Ikatere" for investigating the sea bottom of the outer Hauraki Gulf. Six trips were made and the material obtained will form the basis of a useful report.

The first edition of my handbook of zoology, "Native Animals of New Zealand," was published in August, the second edition in November, and a third is contemplated. Approximately 6,000 copies have been sold or distributed.

Five bulletins entitled "Our Living Environment" and dealing with New Zealand natural history were completed for the Schools Publication Branch, Education Department, Wellington. Three of these are already in use in secondary schools and the remaining two are in the press.

Twenty-two outside lectures were delivered, including two at Levin, one in Wellington, and six as part of an Adult Education course in the W.E.A. biological series. Field trips were conducted for the W.E.A., the Science Teachers' Association, and the Auckland Grammar School.

A paper entitled "The Species Problem in New Zealand Land Mollusca" was delivered at the Sixth Science Congress of the Royal Society of New Zealand.

Three papers were published in the "Museum Records," Vol. 3, No. 3, the lengthy monograph on the Antarctic Mollusca obtained by the R.R.S. Discovery II is nearing completion, and a considerable amount of progress was made with a report on the Cape Expedition Mollusca of the New Zealand Southern Islands.

The Museum Conchology Club completed its seventeenth year in March with an active membership of 52. Twelve well-attended evening meetings and several field days were held.

The reference collections were used by research students on many occasions during the year and material was loaned to several institutions.

Enquiries relating to marine fauna continue to increase in volume.

A. W. B. POWELL.

Ethnologist

The large number, 1,748, of ethnographical accessions comprise several series of similar articles such as Pitcairn Island implements that are necessary for detailed comparative study, as well as choice specimens of individual interest. A collection that combines both interests and brings many fine Maori pieces back to New Zealand is the series of 66 greenstone *hei tiki* purchased in England from the Lady Leys, the Sir James Gunson and the Edward Earle Vaile Funds.

Valuable exchanges have been made with the Otago and Southland Museums, and with the Cambridge Museum of Archaeology and Ethnology from which a fine Hawaiian feather cloak was received. Among the year's gifts were a set of Samoan tattooing implements from Dr. C. M. Dawson, an old Micronesian wooden figure and other ethnographical articles from Mrs. Sydney Aris, and a fine *hei tiki* from Mrs. D. S. Taylor.

The registration of these welcome accessions was in the capable hands of Mr. T. Lambert until he resigned in December after two years' excellent service; it was continued in February by Miss M. A. J. Metge as student assistant. The problem of finding space and accommodation for proper study arrangement of the ethnographical collections is now becoming an acute one.

Loan displays were made available to the Y.W.C.A., the Red Cross Society, the United Maori Mission, and certain youth organizations, church groups and schools, and assistance was given to the Model Aero Club in arranging its special exhibition in the Museum. Eighteen meetings of the Boys' Ethnological Club had been held; when its activities were suspended through the paralysis epidemic. Several members of the club assisted at the Spring Flower Show.

Enquiries were again numerous, and included requests for information from members of the Colonial Service and from University students. The museum Sunday afternoon lecture series was arranged and lectures were given to Museum societies and to outside groups, including the Te Awamutu Historical Society. A course of twenty-two lectures on Maori Life and Culture was contributed to the Adult Education Centre's winter talks series; on three occasions the class visited the Museum for practical study. A course of six written lecture notes on Maori Society was also provided for the Centre's country discussion groups.

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At the Royal Society's science congress in May a paper was read on Maori Adze Sockets. Little time could be devoted to field work during the year; a week's excavation was undertaken on an island in the Hauraki Gulf, Maori rock-shelter sites on the west coast were inspected with the assistance and co-operation of Master Michael Johnson, and brief visits were paid to Tauranga to inspect specimens and to Te Awamutu to examine old pa sites.

V. F. FISHER.

Associate Ethnologist

The rearrangement of displays in the Pacific Hall continued throughout the year, and in this way much new material has been placed on exhibition. In the Melanesian section the New Caledonian exhibit was recast to include specimens acquired in recent years; work in hand includes the recasting of the Polynesian collections on display. A Cook Island exhibit has been completed.

In May a paper on the distribution of Hair Cordage in Oceania was read before the Anthropology Section of the New Zealand Science Congress in Wellington. This paper was afterwards published in the Records of the Auckland Institute and Museum.

Throughout the year help was given to the School Service in planning travelling cases and school museum exhibits and in providing material and information.

Four lectures were given during the year.

O. M. TURBOTT.

Botanist

Among the accessions during the year were a collection of Queensland plants, some native seaweeds, plants, timbers and nine botanical notebooks of the late Mr. T. F. Cheeseman.

The provision of extra accommodation has eased the problem of housing the herbarium. The Cheeseman native collections and other irreplaceable material are in cardboard boxes on open shelves, and there is always danger of damage by dust, mould, insects, etc. It is suggested that the long term aim be the housing of the herbarium in steel cabinets with facilities to control room temperature and humidity. The catalogue and index of the collections has been partly completed during the year.

A table of living material has been maintained, and the twelfth Cheeseman Memorial Flower Show was held from 4th to 7th October. The Auckland Botanical Society, the Parks and Reserves Department of the City Council, and other willing helpers made the show a success, the attendance being 7,187. The City Council has kindly offered to instal an alpine scree garden at the Museum, and this should prove of interest.

Miss B. E. G. Molesworth attended the Science Congress at Wellington and read a paper in the botanical session. She gave lectures to the Girls' Life Brigade, Women's Institute, Botanical Society, and general public in the Sunday afternoon series.

The growth of exotic pines and the damage done by animals to the undergrowth on Rangitoto were investigated by Miss Molesworth and Mr. L. H. Millener, M.Sc., of Auckland University College. In view of their findings, representatives of the Scenery Preservation Committee and Auckland Botanical Society waited on the Rangitoto Domain Board regarding the pines and animal damage. Mr. A. T. Pycroft and the writer accompanied the Domain Board on an inspection of the island recently, and pointed out the pines and other weeds that should be removed.

Miss Molesworth resigned at the end of 1947 and the writer commenced in February, 1948. Miss Shirley Ann Rose acted as botanist in January and February, and has continued under the scheme for student assistants.

R. COOPER.

Ornithologist and Entomologist

During the year much local material has been added to the entomological reference collections: for identifications in special groups I wish to thank Drs. D. Miller and J. T. Salmon, and Messrs. A. E. Brookes and D. Spiller.

The observation beehive, which has formed a popular exhibit, was set up with the co-operation of Mr. R. S. Walsh, Apiary Instructor, Department of Agriculture. Mr. F. D. White, of Whangarei, presented the fine colony of Italian bees to the Museum; the hive, which revolves for full display, was designed in detail by Mr. F. Quayle.

Work is well advanced on a display series of New Zealand insect life histories; in the course of preparation, an information

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sheet on each life history is being compiled in a form suitable for students and the School Service.

A new display of Australian animals from Kawau Island has been installed in the Hall of General Natural History. A backdrop scene prepared by Mrs. M. Haydn has proved successful as a habitat background for the shallow case.

With the disposal of the two insect leaflets prepared last year, it has been necessary to publish further impressions of six thousand copies: stocks of each leaflet have already decreased to under two thousand.

The expansion of biology teaching in secondary schools has been accompanied by an increase in insect identifications; in addition, a field day at Titirangi was conducted for Auckland Grammar School biology pupils.

Two 16mm. colour films have been made this year, the first of native bird life, during a field trip to Little Barrier Island in November. The second, dealing with life histories and conservation of waterfowl and game birds, was photographed at the request of the Auckland Acclimatisation Society, which provided the film.

Seven general lectures have been delivered during the year. Six further lectures formed part of a W.E.A. course on "Animal Biology" given jointly with Mr. Powell.

Following the establishment of an Auckland section of the Forest and Bird Protection Society, members joined in preparing an exhibit of nectar-bearing plants and forest birds at the Cheeseman Flower Show.

Research has been directed to material from the Three Kings Islands. Two papers have been prepared for the "Records": on quadrats established following the destruction of goats, and, in collaboration with Major G. A. Buddle, on the birds of the group. A general account of the effect of goats on Great Island was given at the New Zealand Science Congress in May; and a further brief paper read on "Problems Relating to the Birds of New Zealand's Offshore Islands."

Major Buddle's assistance has again been invaluable during the year in maintaining the reference collections and arranging negatives and lantern slides.

E. G. TURBOTT.

Geologist

The task of cataloguing and arranging the geological collections, which was commenced by Dr. Lillie in the later part of 1946, has been continued. A complete rearrangement of the collection of rocks has been made, while the mineral collection has been removed to the new geological study room. The novel and convenient arrangement of this new room, the construction of which was completed between Dr. Lillie's departure and my assumption of duties, has proved a great success. When its furnishing is completed with further cabinets, at present under construction, and shelving, the present embarrassing shortage of storage space will be greatly relieved.

The catalogue of numbered specimens now lists 4,422 items, but much remains to be done before the collections are completely catalogued, while the provision of cross-reference indexes, which are being prepared, to make the collections fully accessible, will take a long time.

The recent acquisition of a good lapidary's wheel, for the preparation of microscopic sections of rocks and minerals, is a major advance and is the first step towards the provision of facilities for thorough examination of material in the research collections and the proper classification of rocks and minerals. The courtesy of Professor Bartrum, of Auckland University College, in granting the use of a microscope at the College laboratories *pro tempore* is gratefully acknowledged.

A display of Cosmogony, occupying 75 square feet of space, has been completed and some renovations made to other exhibits. A long-term plan for the modification and extension of various existing displays is being put into execution, in order to vary the exhibits and use the exhibition space to the best advantage. By reducing the actual number of specimens shown and adopting simpler labelling, in line with the trend in overseas geological museums, it is hoped to widen the appeal of the subject, while maintaining the present scientific accuracy of presentation.

Three field trips have been made during the year, all with the assistance of friends of the Institute, and have contributed largely to the collections. An excursion to Mangonui was made in June, when Mr. R. F. Hay, of the Geological Survey provided transport. Mr. A. P. Mason similarly made possible a trip to Hokianga district in December, while the generous hospitality of Mr. and Mrs. D. G. Forsyth recently permitted a profitable examination of parts of the Rangiahia Peninsula.

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Another activity, the importance of which has in recent months received much attention in England as a task for local natural history societies, is the recording of temporary exposures. This work has been pursued throughout the year in the metropolitan area, where a number of valuable facts have been disclosed. Much information can be gained with the co-operation of Local Body engineers and others engaged in works demanding excavation, together with information supplied by private individuals.

The service to inquirers on matters relating to geology, while not yet as extensive as in older established departments of the Museum, has nevertheless occupied some time and, in the opportunity it offers for fostering interest in the subject, is welcomed as of great importance. Two lectures were delivered during the year and a paper on the Geology of the Tuakau-Mercer Area submitted for publication.

Attendance at the 6th Science Congress of the Royal Society of New Zealand provided a stimulating opportunity for hearing the results of recent advances in research and for meeting others engaged in the study of geology.

M. H. BATTEY.

Education Officer

The following is a summary of the number of children having attended one-hour lessons for the year ended 31st March, 1948.

	Primary.	Intermediate.	Secondary.	Total.
31st March-May	2,730	1,904	748	5,382
2nd Term ..	7,884	1,891	897	10,672
3rd Term ..	6,109	6	1,395	7,510
	<hr/> 16,723	<hr/> 3,801	<hr/> 3,040	<hr/> 23,564

The total for the year ended 31st March, 1948, was 23,564, a drop of 7,624 on the previous year's attendance. This was caused by the closing of schools during December, February and March due to the epidemic. During the same period for the year ended 31st March, 1947, 9,320 children attended Museum classes.

In co-operation with Mr. and Mrs. Turbott, Miss Molesworth and Mr. Battey, 20 school cases have been prepared. This great increase is due to the fact that the Museum employed an artist and technician for a month to assist with school displays. The

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following material has been circulated among schools: 74 permanent glass-fronted display cases; 74 leatherlite boxes, each containing a mounted bird; 8 boxes of loose material with notes and photographs; 19 displays for school museums.

This material has been sent to 197 town and country schools, but there are 98 schools continually requesting material which cannot be supplied owing to the lack of prepared material. It is essential that an addition should be made to the Museum educational staff if the demands of the schools are to be met.

Natural history material has been identified for teachers and children throughout the Auckland Province. Two sessions of educational films were shown for four days in the August holidays. The total number of children attending was 1,001. We appreciate the co-operation of the Canadian Pacific Railway staff in lending films.

Four hundred and fifty new slides have been prepared and 100 rebound, and 18 new question sheets made, to assist in class teaching.

This year the children's exhibit for the Cheeseman Memorial Prize Competition and Cheeseman Memorial Spring Flower Show filled the Geology Hall and half the Natural History Hall. Twenty-two schools entered for table displays and 159 children for individual exhibits. Schedules of the 1948 competition for pressed specimens and collection of insects have been sent to all schools in the Auckland Province, and have been advertised in the "Herald" and "Star."

Under the guidance of Miss M. L. Hurrey, a children's natural history club with a membership of 15 has been formed, which prior to the epidemic met one Saturday morning a month.

This year 73 Training College students have been posted to the Museum for teaching practice. These students are of great help in conducting the children round the displays. The graduate students at Training College and all first year students and groups of returned soldier students have spent a day in the Museum with the Education Officer. The directors of the kindergartens have all spent one morning in the Museum with the Education Officer.

An application for the appointment of a second assistant education officer was sent to the Education Board, but the Education Board was unable to make this appointment. A further application for the appointment of a technical art assistant has been forwarded to the Education Board.

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This year an application for a grant of £169/4/- was made to the Education Department for running expenses. The Education Board also applied for a grant of £200 to meet the expense of conveying Museum material to the schools.

The Department made a grant of £150 for the current year, and will consider the matter again when preparing next year's estimates.

The Museum educational staff wishes to thank the staff of the Museum for their co-operation and very real assistance, and particularly to thank Mr. Davy for the many hours of work he has spent in unpacking and packing loan material for the schools.

Z. O. LLOYD.

Librarian

During the year 967 books have been added to the Library, 711 of which have been purchased from the Edward Earle Vaile Trust Fund. These include books about New Zealand, and a number of early, scarce works on Pacific exploration.

Through the bequest of the late Mr. A. V. Hanson the Library has acquired about 100 books, mainly works of travel. Mr. George Finn has donated his collection of several hundred books and scrap-books, and Mr. Cecil Pond has given the collection of books belonging to his father, the late Mr. J. A. Pond, who was a member of the Institute for over sixty years. Donations of books and periodicals have also been received from the Countess of Hardwicke, Hon. T. Bloodworth, Brigadier Dove, Lieut.-Col. Hanna, Rev. C. J. Bush-King, Rev. W. Bower-Black, Professor P. W. Burbidge, Professor Rutherford, Dr. W. N. Abbott, Dr. G. E. Archey, Messrs. R. Noel Johnson, A. T. Pycroft, W. S. Lang, R. C. Clark, S. Edwards, C. C. Comyns, A. A. Dignan, M. Harding, F. H. Leonard, H. B. Minchin, J. C. Reid, Douglas Robb, W. Laird Thomson, E. G. Turbott, I. Bell, J. E. Astley, T. Cheeseman, T. W. Mellor, J. M. Stevenson, J. W. Kealy, Snr., L. H. Tomlinson, A. P. Mason, Mrs. J. N. Rishworth, Mrs. O. M. Turbott, Mrs. I. Bell, Mrs. J. Dawson, Misses A. M. McCaul, E. M. Stevenson, E. M. Upton, M. C. Wheelwright, M. A. Gaddes, I. Stennet, E. F. Kibblewhite, H. Jordan, Shaw Savill and Albion Co., N.Z. Section of the Theosophical Society, Auckland Savings Bank, Australian Council for Scientific and Industrial Research, U.S. Information Library, Wellington, and the estate of the late Miss E. M. Buttle.

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The addition of so many useful and interesting books is reflected in the increased use being made of the Library by members: 2,678 books were borrowed during the year, this figure being 34% higher than that of the previous year. The system of borrowing was changed in July, and from that time a marked increase was seen in the number of books borrowed. Greater use is being made of the system of interloan, 41 requests being made by this Library to other Libraries, and 44 loans made to other Libraries.

Sixty-two periodicals are subscribed to and over 200 are received by donation or exchange. A list of current serial publications will be found in the Appendix. A cyclostyled list of the Library's complete serial holdings was issued in October. Exchanges are being maintained with 226 institutions in New Zealand and overseas.

Several displays were arranged during the year, one in July for the Titirangi Gardening Circle, of books on gardening, another in August for the Auckland Botanical Society, of botanical and early New Zealand works, and one in connection with the Cheeseman Memorial Spring Flower Show in October. This last consisted partly of books belonging to the Library, but mainly of books loaned by the Country Library Service. In addition, two smaller displays have been arranged in the Library on special topics—one on Otago and one on early Auckland. It is hoped that it will be possible to arrange a different display every month during the coming year.

Mr. A. Turner and Mr. G. Turner were part-time assistants during part of the year. With the growth of the Library and its increased use, difficulty is experienced in keeping abreast with current work. In order, however, to make the stock of the Library of the greatest possible use to members, efforts have been made to catalogue and classify the existing stock in addition to the new books that are added. During the year 1,110 books have been classified and catalogued under author and subject, bringing the total number of catalogued books to 3,640. It is hoped that the greater part of this work will be completed during the coming year. Space is also a very serious problem, although the addition of several steel stacks has relieved the position temporarily.

ENID A. EVANS.

AUCKLAND INSTITUTE AND MUSEUM

RECEIPTS AND PAYMENTS ACCOUNT. For the Year Ended 31st March, 1948.

	£	s.	d.		£	s.	d.
To Balance	1,478	6	8	By Salaries and Wages	8,709	15	8
.. Subscriptions	549	13	6	.. Insurance	75	14	7
.. Subscriptions in Advance	30	7	6	.. Library Expenses	116	19	0
.. Life Members	168	0	0	.. Library Books	294	15	9
.. Interest—				.. Institute Expenses	267	15	11
.. Mortgages	167	9	3	.. Specimens—			
.. Debentures	200	10	0	.. Purchase	919	14	5
.. Government Stock	871	6	8	.. Collecting and Travelling	216	9	10
.. Australian Stock	65	0	0	.. Preserving and Display	174	14	1
.. Local Body Contributions	10,668	0	2	.. School Services, Education, Prizes	60	2	9
.. Sundry Receipts	14	0	2	.. Publications, Photos	269	5	11
.. Savings Bank Interest	109	4	0	.. Publications Reserve Account	931	5	5
.. Sale of Transactions	1	3	3	.. General Maintenance	928	5	8
.. Sale of Publications—Reserve Account	1,134	11	7	.. Buildings—			
.. Refund of Expenditure, 1946-47, on Publications	234	5	4	.. Maintenance	179	16	0
.. Rents from E. E. Vaile Properties Trust	2,265	17	10	.. Show Cases and Furniture	504	1	6
.. Mr. Edward Earle Vaile—Cash towards renewal of roof	200	0	0	.. Building Improvements	440	14	11
.. C. V. Houghton Bequest	2	18	11	.. Auckland Museum Maintenance Amendment Act, 1931 (Section 37)—			
.. Receiver of Land Revenue—				.. Entertainment, Wreaths	13	10	2
.. Sales	2	11	5	.. Edward Earle Vaile Trust Fund—			
.. Rent and Interest	18	18	11	.. Ethnographical Specimens Purchased	736	16	3
.. Mortgages—Reduction of Principal	62	0	0	.. Library Books Purchased	855	8	1
.. Debentures Repaid	500	0	0	.. Reserve for Roof Repairs	200	0	0
.. Government Stock Repaid	8,000	0	0	.. Outgoings on Property	365	7	10
.. Contributions—				.. Obsolescence Fund A/c, 1947-48	100	0	0
.. Specimens Purchase	46	12	2	.. Balance Unexpended	8	5	8
.. Memorial Hall Account	14	3	6	.. Transfers—			
.. Special Donations	5,062	2	0	.. Investment Account	8,562	0	0
.. Transfers—				.. Life Subscription Account	168	0	0
.. Gunson Specimen Reserve	186	5	2	.. Specimen Purchase Account	46	12	2
.. Leys Fund	400	0	0	.. Memorial Hall Account	14	3	6
.. Specimen Purchase	329	4	9	.. Building Reserve Account	520	3	3
.. Horton Geology Fund	4	4	6	.. Museum Endowment Account	2	11	5
.. Library Shelving	47	15	2	.. C. V. Houghton Bequest Account	2	18	11
				.. Donation for Purchase of Swords	10	0	0
				.. Auckland Savings Bank Trust Account	5,000	0	0
				.. Edward Earle Vaile Trust Fund for Roof Repairs	200	0	0
				.. Publications Reserve Account	203	6	2
				.. Balance	1,735	16	10
	£32,834	12	5		£32,834	12	5

INCOME AND EXPENDITURE ACCOUNT.

For the Year Ended 31st March, 1948.

EXPENDITURE.		INCOME.	
	£ s. d.		£ s. d.
Salaries and Wages	8,709 15 8	Subscriptions	607 12 6
Insurance	75 14 7	Interest—Mortgage, Debenture, Stock	1,304 7 5
General Maintenance	928 5 8	Life Members	168 0 0
School Services, Education, Prizes	60 2 9	Contributions from Local Bodies	10,668 0 2
Publications, Photos	269 5 11	Sundry Receipts	14 0 2
Institute Expenses	267 15 11	Sales on Transactions	1 3 3
Unauthorised Expenditure—		Auckland Savings Bank Interest	27 0 5
Entertainment, Wreaths	13 10 2	Post Office Savings Bank Interest	3 8 7
Building Maintenance	179 16 9	N.Z. National War Savings Investment Interest	78 15 0
Subscriptions Written Off	23 2 0	Rent—Receiver of Land Revenue	18 18 11
Transfers—		Sales—Receiver of Land Revenue	2 11 5
Life Members' Capital Account	168 0 0	Memorial Hall and Specimen Purchase	60 15 8
Memorial Hall Trust Account	14 3 6	Special Donations	52 2 0
Specimen Purchase Account	46 12 2		
Museum Endowment Account	2 11 5		
Balance Carried Down	2,247 19 0		
	<u>£13,006 15 6</u>		<u>£13,006 15 6</u>
Capital Purchases from Revenue	1,693 19 11	Balance Brought Down	2,247 19 0
Appropriations—		Expenditure on Publications, 1946-47, Refunded out	
Buildings Reserve Account	520 3 3	of Proceeds of Sales, 1947-48	234 5 4
Balance	262 1 2		
	<u>£2,482 4 4</u>		<u>£2,482 4 4</u>

EDWARD EARLE VAILE TRUST FUND.

	£ s. d.		£ s. d.	£ s. d.
To Ethnological Specimens Purchased	735 16 3	By Gross Rents Received to 31/3/48	2,434 14 8	
„ Library Books Purchased	855 8 1	Less Repairs	104 1 2	
„ Obsolescence Fund, 1947-48	100 0 0	„ Commission	93 15 3	
„ Reserve for roof repairs	200 0 0	„ Insurance	51 12 10	
„ Balance Unexpended	8 5 8	„ Rates	198 0 6	
		„ Sundries	86 14 11	
			<u>534 4 8</u>	
	<u>£1,900 10 0</u>			<u>£1,900 10 0</u>

MUSEUM ENDOWMENT ACCOUNT.

£ s. d.				£ s. d.			
To Balance, 31/3/48—				By Balance, 1/4/47	13,365	16	1
Investments	13,800	4	2	„ Sales—Receiver of Land Revenue	2	11	5
Cash at Bank	68	3	4				
	£13,868	7	6		£13,868	7	6

LIFE MEMBERS' SUBSCRIPTIONS ACCOUNT.

£ s. d.				£ s. d.			
To Balance, 31/3/48—				By-Balance, 1/4/47—			
War Savings Investments	2,622	10	0	Investments	2,421	11	5
Investments	1,567	1	5	War Savings Investments	1,000	0	0
	£3,589	11	5	„ Transfer from Income and Expenditure A/c ..	168	0	0
					£3,589	11	5

ACCUMULATING ENDOWMENT ACCOUNT

£ s. d.				£ s. d.			
To Balance, 31/3/48	388	18	10	By Balance, 1/4/47	386	5	6
				„ Interest to 31/3/48	2	13	4
	£388	18	10		£388	18	10

MACKECHNIE BEQUEST ACCOUNT.

£ s. d.				£ s. d.			
To Balance, 31/3/48	7	14	9	By Balance, 1/4/47	7	6	3
				„ Interest to 31/3/48	8		6
	£7	14	9		£7	14	9

SIR JAMES GUNSON TRUST ACCOUNT.

	£	s.	d.		£	s.	d.
To Specimens Purchased	186	5	2	By Balance, 1/4/47	212	3	4
„ Balance, 31/3/48	31	16	8	„ Interest to 31/3/48	5	18	6
	£218	1	10		£218	1	10

MEMORIAL HALL TRUST FUND.

	£	s.	d.		£	s.	d.
To Balance, 31/3/48	621	18	1	By Balance, 1/4/47	596	7	11
				„ Interest to 31/3/48	11	6	8
				„ Transfer	14	3	6
	£621	18	1		£621	18	1

SPECIMEN PURCHASE FUND.

	£	s.	d.		£	s.	d.
To Specimens Purchased	329	4	9	By Balance, 1/4/47	706	6	11
„ Balance, 31/3/48	433	11	7	„ Interest to 31/3/48	9	17	3
				„ Transfer	46	12	2
	£762	16	4		£762	16	4

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Reserves—

Building Maintenance	4,219	3	3
Gunson Specimen	31	16	8
Leys Fund for Ethnographical Specimens	100	0	0
Memorial Hall	621	18	1
Specimen Purchase	433	11	7
Mackechnie Library	7	14	9
Horton Geology Fund	124	12	6
Library Shelving	122	4	10
Case for White China	10	13	0
Donation for Purchase of Swords	10	0	0
Edward Earle Vaile Trust Fund—			
Obsolescence Fund	300	0	0
Reserve for Roof Repairs ..	400	0	0
Balance Revenue Account ..	8	5	8
Publications Reserve Account ..	203	6	2

6,593 3 6

Sundry Creditors—

Subscriptions in Advance	29	7	6
Interest in Advance	22	0	6

52 8 0

Income and Expenditure Accounts—

Balance, 1/4/47	1,527	19	2
Plus Credit Balance, 31/3/48 ..	262	1	2

1,790 0 4

£493,161 14 5

Cash in Hand	10	0	0
Change	1	10	0

4,006 11 1

£493,161 14 5

GILBERT ARCHEY,
Treasurer.

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Reserves—

Building Maintenance	4,219	3	3
Gunson Specimen	31	16	8
Leys Fund for Ethnographical Specimens	100	0	0
Memorial Hall	621	18	1
Specimen Purchase	433	11	7
Mackechnie Library	7	14	9
Horton Geology Fund	124	12	6
Library Shelving	122	4	10
Case for White China	10	14	0
Donation for Purchase of Swords	10	0	0
Edward Earle Valle Trust Fund—			
Obsolescence Fund	300	0	0
Reserve for Roof Repairs ..	400	0	0
Balance Revenue Account ..	8	5	8
Publications Reserve Account ..	203	6	2

6,593 3 6

Sundry Creditors—

Subscriptions in Advance	29	7	6
Interest in Advance	22	0	6

52 8 0

Income and Expenditure Accounts—

Balance, 1/4/47	1,527	19	2
Plus Credit Balance, 31/3/48 ..	262	1	2

1,790 0 4

£493,161 14 5

Cash in Hand	10	0	0
Change	1	10	0
	<hr/>		
	4,006	11	1

£493,161 14 5

GILBERT ARCHEY,
Treasurer.

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The following Periodicals and Publications of Societies are subscribed to by the Institute:

American Journal of Science.
American Mineralogist.
Annals and Magazine of Natural History.
Annals of Botany.
Antiquity.
Art Galleries and Museums Association of Australia and New Zealand
Newsletter.
Australian Geographer.
Australian Museum Magazine.
British Abstracts: AI, II, III, C.
Chemical Reviews.
Chemical Society Journal.
Commonwealth and Empire Review.
Discovery.
Economic Journal.
Economic Record.
Emu (Royal Australasian Ornithologists' Union).
Geographical Journal.
Geographical Magazine.
Geological Magazine.
Hakluyt Society Publications.
Ibis.
Industrial Chemist.
Institut de France, Académie des Sciences, Comptes Rendus.
International Commission on Zoological Nomenclature. Opinions, Declara-
tions, and Bulletin.
Johnsonia (Harvard University Museum of Comparative Zoology, Depart-
ment of Mollusks).
Journal of Ecology.
Journal of Egyptian Archaeology.
Journal of Paleontology.
Malacological Society of London Proceedings.
Marine Biological Association of the United Kingdom Journal.
Nature.
New Zealand Astronomical Society Publications.
New Zealand Gardener.
New Zealand Geographer.
New Zealand Geographical Society Publications.
New Zealand Homes and Gardening.
Oceania (Australian National Research Council).
Pacific Islands Monthly.
Philosophical Magazine.
Polynesian Society Journal.
Ray Society Publications.
Reviews of Modern Physics.
Royal Anthropological Institute Journal, and Man.
Royal Astronomical Society Monthly Notices.
Royal Meteorological Society Quarterly Journal.
Royal Society of London. Philosophical Transactions. Proceedings A and B.
Royal Statistical Society Journal.
Science Progress.
Zoological Society of London. Proceedings, Transactions, and Zoological
Record.

List of Benefactions
made to the
Auckland Institute and Museum
of an amount (or value) exceeding £50.

MONETARY GIFTS.

- 1876 Auckland Citizens: £2,026 subscribed towards first building.
1878 Mr. J. C. Firth donated £106 for show cases.
1884 Mr. Edw. Costley bequeathed £12,150.
1887 Mr. David Nathan bequeathed £100.
1897 Mr. T. Russell donated £100 for geological specimens.
1901 Auckland Citizens subscribed £1,000 for Mair Collection.
1902 Mr. E. A. Mackechnie bequeathed £2,500.
1906 Auckland Citizens subscribed £662 for carved houses.
1911 Auckland Citizens subscribed £684 for ancient carvings.
1913 Sir John Logan Campbell bequeathed £1,000.
1921 Institute Members subscribed £115 for Temple Bronzes.
1923 Sir Wm. H. Herries bequeathed £1,000.
1924 Citizens subscribed £698 for Maori collections.
1925 Institute Members subscribed £109 for Maori collection.
1926 Sir James Gunson Presentation Committee presented £118 for Maori collection. Mr. David Goldie bequeathed £1,000.
1927 Mr. F. Shaw bequeathed £1,000.
1929 Mr. S. J. Ambury bequeathed £250.
1934 Mrs. R. M. Wilson: £50/10/-, given to establish the Sir Edw. Mitchelson Prize Fund.
1940 Mr. Maurice Harding bequeathed £500.
1941 Mr. Ormsby Gore Adams bequeathed £100.
1942 Mr. J. A. Pond bequeathed £100 to commemorate the scientific achievements of Thomas F. Cheeseman.
1944 Mr. E. Earle Vaile gave two blocks of shops and residences worth £10,000 as an endowment for ethnological collections and books.
Mr. R. C. Horton gave £200 towards extending the mineral collection.
"Two Friends" gave £150 for Library book-cases.
£428 received on account of a bequest by Mr. C. V. Houghton.
Mitchelson Prize Fund increased to £100.
1945 "Anonymous" gave £2,000 as an endowment for Cinematography.
Auckland Savings Bank gave £500 for improvements to Exhibition Halls.
Auckland Electric Power Board gave £100.
Mr. R. C. Horton gave £70 for purchase of Georgian Silver Tea Set.
1947 Auckland Savings Bank Centennial Gift of £5,000.
Mr. A. V. Hanson bequest of approximately £1,500.

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SPECIMENS AND BOOKS.

- 1876 Mr. R. C. Barstow: Large collection of Maori articles.
- 1877 Mr. G. F. Edmonston: 564 volumes of scientific works.
- 1878 Mr. T. Russell, C.M.G.: 34 casts from the antique.
- 1878-83 Mr. J. T. MacKelvie: 390 books and ethnology collection.
- 1887 Mr. C. O. Davis: Valuable Maori collection.
- 1901 Mr. L. D. Nathan: Japanese Shinto Shrine.
- 1913 Mr. Henry Shaw and Mr. F. Shaw: 172 scientific books. **Hon. Sir Edwin Mitchelson:** Valuable Kauri Gum collection.
- 1915 Dr. C. E. R. Bucknill: Collection of Old English Glass.
- 1916 Mr. Henry Shaw: Collection of Japanese art.
- 1917 Miss Ruth Northcroft: Large Maori and Polynesian Collection
- 1919 The Misses Yates: Collection of Indian weapons.
- 1920 Mr. James Dunning: Collection of North American Mammals.
- 1921 Mr. W. A. Aldred: Valuable collection of Maori specimens.
Hon. J. B. Turner: Important Fijian ethnographical collection
- 1923 Mr. T. F. Cheeseman, F.L.S., F.N.Z.Inst.: The Cheeseman Herbarium of native and foreign plants.
- 1924 Mr. Wm. Sutherland: Melanesian ethnographical collection.
Mr. A. C. Caughey: Fijian and New Hebridean ethnographical collection.
Mr. R. A. Meek: Ethnographical specimens from Bismarck Group. Messrs. Samuel Vaile & Sons: Large collection of Maori greenstone articles. Sir Cecil Leys and Mrs. Selwyn Upton: The Edge-Partington ethnographical collection of over 2,000 specimens, given in memory of their father, Dr. T. W. Leys.
- 1925 Mr. F. Crossley Mappin: Valuable Maori and South Pacific exhibits.
- 1926 Mr. Geo. F. Webster: Valuable Maori antiquities.
Mr. H. R. Butcher: Collection of British coins.
Mrs. E. M. Ball: The Thos. Ball Zoological collection.
Mr. F. Crossley Mappin: Ancient Chinese ceramic specimens.
Mr. Hallyburton Johnstone: Silver cup presented by Queen Victoria in 1878 to the Royal George Yacht Club.
- 1927 Mr. F. Crossley Mappin: Valuable Maori carvings.
Mr. Moss Davis: Valuable ethnographical specimens.
- 1928 Sir Cecil Leys and Mrs. Selwyn Upton: Unique and richly carved feather box.
Mr. J. R. Adams Wilkes: Ethnographical collections from Nigeria and New Guinea.
Mr. Harry Kinder: The Dr. Kinder Collection—Maori and Melanesian.
Mr. E. Earle Vaile: Important collection of Maori stone carvings and collection of Eastern ethnographical specimens.
Mrs. S. J. Lushington: Large collection of mollusca.

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- 1929 Mr. T. H. Barstow: Maori canoe prows and stern posts.
Mr. W. R. McGregor: New Ireland carved memorial figures.
Mrs., Miss and Mr. A. N. Cooper: The Charles Cooper collection of mollusca.
Rev. W. H. Webster: Large collection of mollusca.
Mr. C. E. Clarke: Large collection of N.Z. Insects.
Executors Mr. W. M. Cole: Stone and Bronze Age Artifacts.
Miss Webster and Mr. G. F. Webster: Water-colour drawings of the Solomon Islands.
- 1930 Mr. John Kenderdine: Large collection of books and pamphlets, including rare early New Zealand works. Mr. H. E. Vaile: A large collection of Maori implements and greenstone ornaments. Mr. Moss Davis: Selected Maori exhibits; also porcelain and ivory. Mr. L. J. Matthews: Two specimens of Moa eggs. Dr. L. Cockayne: Large collection of N.Z. plants.
- 1931 Sir Cecil Leys and Mrs. Selwyn Upton: Valuable Maori antiquities: additions to the Dr. T. W. Leys collection. Mrs. S. J. Lushington: Collection of Silver and Sheffield Plate. Mrs. A. C. Lennard: Collection of English porcelain.
- 1932 Mr. H. S. Dadley: Large and valuable collection of Oriental Arts. Mr. Moss Davis: British Gold and Silver Coins and European Ivories and Bronzes. Hon. Sir James Parr: Gold and Silver Mementoes of public events in New Zealand, and case for their display.
- 1933 Vaile Collection: Additional gift of many valuable Maori antiquities. Mr. W. Goodfellow: Extensive ethnographical collection from Northern Melanesia.
- 1934 Miss Eleanor Brown and Mrs. Geo. Brownlee: Collection of heirlooms of the Ngati-toa and Ngati-awa Tribes.
Messrs. R. B. & G. Matthews: The H.B. Matthews Herbarium.
- 1935 Mr. F. Crossley Mappin: Maori Specimens, including handsomely carved sternpost.
The Admiralty: Model of H.M.S. New Zealand.
- 1936 Captain G. Humphreys-Davies: Large and valuable collection of Chinese pottery figures. Mrs. T. G. Russell: 235 volumes of chemical and physical works from the library of her father, the late Professor Brown. Mr. E. Earle Vaile: Valuable Maori hei-tiki and Rapa Island stone artifacts. The Estate of the late H. E. Vaile: Maori and Polynesian ethnographical collection; carvings and ornaments.
- 1937 Mr. E. Earle Vaile: Collection of ethnographical specimens and six Italian bronzes. Sir Algernon Thomas: Library of scientific books and papers.
- 1938 Mr. E. Earle Vaile: Gift of many early New Zealand books and journals. Mr. J. R. le B. Tomlin: Gift of valuable early editions of natural history works. Mr. F. Crossley Mappin: Early Chinese Pottery and Bronzes.

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- 1939 **Mr. E. Earle Vaile:** Maori carvings, large Melanesian collection and gifts to the Library. **Mr. J. R. le B. Tomlin:** Gift of early Worcester china and early works on natural history. **Mr. W. Goodfellow:** Large Melanesian collection.
- 1941 **Mr. H. R. Jenkins:** Historic anchor associated with the ill-fated H.M.S. Bounty. **Mrs. T. G. Russell:** 500 volumes of botanical and biographic works from the library of her father, the late Professor Brown.
Mr. Ormsby Gore Adams bequeathed cinema camera, photographic equipment and nature films.
- 1942 **Mrs. A. A. Richardson:** The late Mr. J. D. Richardson's extensive collection of early Auckland photographs and lantern slides.
Col. the Hon. F. Waite, D.S.O., M.L.C.: Large collection of Egyptian pre-dynastic artifacts, flints, slate palettes, and pottery 7500-4300 B.C.; also pottery lamps of Egyptian, Roman, Greek and Arabic manufacture.
- 1943 **Captain G. A. Humphreys-Davies:** His extensive and valuable collection of Chinese arts. **Mr. E. Earle Vaile:** Large collection of books and pamphlets on exploration and early life in the South Pacific. **Mrs. W. H. Hemingway:** The late Mr. Hemingway's display and cabinet collections of insects. **Lt. Col. the Hon. F. Waite, D.S.O., M.L.C.:** Further collections from Egyptian Pre-dynastic, Dynastic and Ptolemaic periods.
- 1944 **Mrs. B. Quigley and Miss E. Kenderdine:** Large number of books on early New Zealand history. **Mr. E. Earle Vaile:** Collection of works on South Pacific exploration and New Zealand history. **Captain G. A. Humphreys-Davies:** Ancient Chinese bronze sculpture. **Mr. J. C. Entrican:** Large collection of Eastern Polynesian stone implements.
- 1945 **Mr. W. G. White:** A valuable very representative collection of Worcester and Chelsea China. **Mr. E. Earle Vaile:** Important Maori Ethnographical Collections, and books on South Pacific Exploration and New Zealand History.
- 1946 **Mr. E. Earle Vaile:** Gave a freehold section with a two-storey building in Queen Street worth over £30,000 as a further endowment for ethnographical collections and books.
- 1947 **Lady Leys Fund, Sir James Gunson Fund, and E. Earle Vaile Fund:** Collection of 60 greenstone hei tiki and greenstone adzes purchased in England.
Mr. Jas. C. Entrican: Gave his extensive moneys collection and library of books on Numismatics.
Mr. Geo. Finn: Presented a collection of books and newspaper records, reports and illustrations collected over a number of years.
Lieutenant A. G. Carnahan, R.N.R.: Presented Viscount Jellicoe's racing 14-footer "Iron Duke."

GIFTS
TO THE
Library and Museum

LIBRARY.

PERIODICALS.

*Periodicals and Serial Publications Received by Donation or Exchange
(New Zealand).*

Action (Druleigh College).
Agricultural Topics (Massey Agricultural College).
Air Reconnaissance (Auckland Branch of the Air Force Association).
Alpinesport (Alpine Sports Club, Auckland).
Arena Quarterly.
Auckland Acclimatisation Society. Annual Report.
Auckland University College. Bulletins and Reprints.
Automobile Association (Auckland) Bulletin.
Better Business.
Board and Council.
British-American Co-operator.
Canterbury Chamber of Commerce. Bulletin.
Canterbury Lambs (Canterbury University College Literary Club).
Cawthron Institute of Scientific Research. Annual Reports, Pasture and
Soil Research Publications, Publications.
Change Step (Rehabilitation Department).
Christchurch Public Library Journal.
Commerce Journal.
Compost Magazine (N.Z. Humic Compost Society).
Consumer News (Economic Information Service).
Craccum (Auckland University College Students' Association).
Democracy.
Forest and Bird (Forest and Bird Protection Society).
Hawke's Bay Art Society. Year-book.
Horological Journal (N.Z. Horological Institute).
Journeys (South Island Publicity Association).
Kiwī (Auckland University College Students' Association).
Metal.

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Midland Traveller.
 National Education.
 N.Z. Census and Statistics Department. Monthly Abstract of Statistics.
 N.Z. Dairy Research Institute Publications.
 N.Z. Department of External Affairs Publications, and Treaty Series.
 N.Z. Department of Scientific and Industrial Research. Entomology Division Publications.
 N.Z. Education Department. Post-Primary School Bulletin.
 N.Z. General Assembly Library. Copyright Publications.
 N.Z. National Art Gallery and Dominion Museum. Report.
 N.Z. National Broadcasting Service. Broadcasts to Schools. General.
 N.Z. National Employment Service. Half-yearly Survey.
 N.Z. Parliamentary Debates.
 N.Z. State Forest Service. Annual Report.
 N.Z. Alpine Journal.
 N.Z. Bird Notes. (Ornithological Society of N.Z.)
 N.Z. Commerce (Associated Chambers of Commerce of N.Z.).
 N.Z. Economist and Taxpayer.
 N.Z. Education Gazette and Supplement.
 N.Z. Engineering.
 N.Z. Institute of Chemistry Journal.
 N.Z. Institute of International Affairs. President's Report.
 N.Z. Jewish Chronicle.
 N.Z. Journal of Agriculture.
 N.Z. Journal of Science and Technology.
 N.Z. Listener.
 N.Z. Methodist Times, Open Door, and Lotu.
 N.Z. National Review.
 N.Z. Numismatic Society Report and Journal.
 N.Z. Poultry World.
 N.Z. Rationalist.
 N.Z. Surveyor.
 N.Z. Wheat Review.
 Newsview.
 Otago University Library. Annual Report.
 Outlook (Presbyterian Church of N.Z.).
 Radio and Electronics.
 Te Reo o nga Kaapo (The Voice of the Blind) (St. Dunstan's N.Z. Blind Services Association and N.Z. St. Dunstan's).
 Royal Empire Society. Auckland Branch. Annual Report and Gazette.
 Royal Society of New Zealand. Annual Report and Transactions.
 Royal Society of New Zealand. Hawke's Bay Branch. Bulletin.
 School Dental Service Gazette.
 Tusitala mo A'oga Samoa (N.Z. Education Department).
 Wellington. Dominion Observatory. N.Z. Seismological Report, Provisional Bulletin.
 Wellington Botanical Society Bulletins.
 White's Aviation.
 Working Together (Employee Partnership Institute).
 World Affairs (United Nations Association of N.Z.).
 Young New Zealanders' Club Magazine.

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Periodicals and Serial Publications Received by Donation or Exchange (other than New Zealand).

- Academy of Natural Sciences of Philadelphia. Notulae Naturae and Proceedings.
 American Anthropologist.
 American Midland Naturalist (University of Notre Dame, Indiana).
 American Museum of Natural History. Bulletin.
 Année Biologique.
 Anthropological Society of Hawaii News.
 Australasian Herbarium News.
 Australian Council for Scientific and Industrial Research. Bulletins and Journal.
 Australian Journal of Science.
 Australian Museum. Memoirs and Records.
 Australian Naturalist.
 Australian Social Science Abstracts.
 Australian Zoologist. (Royal Zoological Society of N.S.W.)
 Basel Museum für Volkerkunde. Reprints.
 Belfast Museums and Art Gallery. Report of the Committee.
 Bernice Pauahi Bishop Museum, Honolulu. Bulletins, Occasional Papers, Reports.
 Biologica. (Instituto de Biología de la Universidad de Chile.)
 Brittonia. (New York Botanical Garden.)
 Brussels Musée Royal d'Histoire Naturelle de Belgique. Bulletin and Mémoires.
 Budapest Magyar Nemzeti Múzeum. Annales Historico-naturales.
 Buenos Aires. Museo Argentino de Ciencias Naturales Bernardino Rivadavia. Anales.
 Buffalo Society of Natural Sciences Bulletin.
 Bulletin of the Atomic Scientists.
 Cairo. Fouad I Université. Faculté des Sciences. Marine Biological Station Publications.
 California. Department of Natural Resources. Division of Fish and Game. Fish Bulletin.
 Canada. Bureau of Mines. Publications.
 Canada. Department of Agriculture. Farmers' Bulletin and Publications.
 Canada. Department of Agriculture. Division of Entomology. Processed Publications.
 Canada. Department of Agriculture. Division of Entomology. Forest Insect Survey. Annual Report.
 Cardiff National Museum of Wales. Annual Report.
 Carnegie Corporation of New York. Report of Officers.
 Československé Společnost Zoologická. Věstník.
 Chicago Natural History Museum. Fieldiana. Anthropology, Geology, Zoology.
 Chicago Natural History Museum. Popular Series. Botany.
 Conchological Club of Southern California. Minutes.
 Denver Art Museum. Indian Leaflet Series.
 Empire Information Bureau. Information Paper.
 Endeavour.
 Fiji Department of Agriculture. Agricultural Journal.
 Gardens' Bulletin (Botanic Gardens, Singapore).
 Geological Society of South Africa. Transactions and Proceedings.

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Gothenburg Museum. Etnografiska Avdelingen. Etnologiska Studier.
 Great Britain. Imperial Institute Bulletin.
 Harvard University. Arnold Arboretum Journal.
 Harvard University. Gray Herbarium Contributions.
 Harvard University. Museum of Comparative Zoology Bulletin.
 Harvard University. Peabody Museum of American Archaeology Papers.
 Hawaii University Research Publications.
 Indiana Academy of Sciences Proceedings.
 Institut Océanographique, Monaco. Bulletin.
 International Office for the Protection of Nature, Amsterdam. Report.
 Journal of Conchology (Conchological Society of Gt. Brit. and Ireland).
 Kew Royal Botanic Gardens Bulletin.
 Launceston, Tasmania. Queen Victoria Museum. Records.
 Lyden. Rijksmuseum van Natuurlijke Historie. Zoologische Mededeelingen.
 Linnean Society of London Proceedings.
 Linnean Society of New South Wales Proceedings.
 Lloydia (Lloyd Library and Museum, Cincinnati, Ohio).
 Los Angeles County Museum. Museum Patrons' Association Quarterly.
 Masterkey (Southwest Museum, Los Angeles).
 Natal Government Museum Annals.
 Natur und Volk. (Senckenbergische Naturforschende Gesellschaft, Frankfurt.)
 Natural History (American Museum of Natural History).
 New Mexico University Publications in Anthropology.
 New York Academy of Sciences Annals.
 Norway Fiskeridirektoratets Skrifter.
 Oklahoma Academy of Sciences Proceedings.
 Ottawa Dominion Astronomical Observatory. Bibliography of Seismology.
 Pacific Affairs.
 Pacific Science (University of Hawaii).
 Palestine Independent Biological Laboratories. Bulletin.
 Pennsylvania University. University Museum. Bulletin.
 Philobiblon (Nanking Central Library).
 Queensland University. Department of Biology Papers.
 Queensland University. Department of Geology Papers.
 Queensland Government Mining Journal.
 Raffles Museum, Singapore. Bulletin.
 Reading (Pa.). Public Museum and Art Gallery Bulletin.
 Rio de Janeiro. Observatorio Nacional. Anuario, and Boletim Sismologico.
 Royal Asiatic Society, Malayan Branch. Journal.
 Royal Society of Canada. Transactions, Sections D and Y.
 Royal Society of New South Wales. Journal and Proceedings.
 Royal Society of Queensland. Proceedings.
 Royal Society of South Australia. Transactions.
 Royal Society of Tasmania. Papers and Proceedings.
 Royal Society of Victoria. Proceedings.
 Royal Zoological Society of New South Wales. Proceedings.
 Scientific Agriculture. (Canadian Society of Technical Agriculturists.)
 Smithsonian Institution. Institute of Anthropology Publications.
 Société des Etudes Océaniques Bulletin.
 Société des Océanistes Journal.
 Société Royale Zoologique de Belgique Journal.
 South Africa. Department of Agriculture. Botany and Plant Pathology, Bulletin. Horticulture Series.
 South African Museum Annals.

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- South Australia Museum Board. Report.
 Southern California Academy of Sciences Bulletin.
 Southern Cross Log (Melanesian Mission, Sydney).
 Sydney Museum of Technology and Applied Science. Annual Report and News Bulletin.
 Tucuman Universidad. Dept. de investigaciones Regionales. Instituto de Mineralogia y Geologia. Cuadernos de Mineralogia y Geologia.
 United Empire (Royal Empire Society).
 United Nations Educational, Scientific and Cultural Organisation. Reconstruction and Rehabilitation Newsletter.
 U.S. Bureau of American Ethnology. Annual Report.
 U.S. Bureau of Entomology and Plant Quarantine. Review of U.S. Patents relating to Pest Control.
 U.S. Department of Agriculture. Leaflets and Technical Bulletins.
 U.S. National Museum. Bulletins, Proceedings, Reports.
 Uppsala Universitet. Zoolokiska Bidrag fran Uppsala.
 Victoria. Department of Mines. Mining and Geological Journal.
 Victorian Naturalist (Field Naturalists' Club of Victoria).
 Wagner Free Institute of Science of Philadelphia. Bulletin.
 Warsaw. Panstwowe Muzeum Zoologiczne. Annales Musei Zoologici Polonici and Fragmenta Faunistica.
 Washington (State) State College. Bulletin, Popular Bulletin, Research Studies.
 Western Australia. Geological Survey. Bulletin.
 Yorkshire Philosophical Society. Annual Report.
 Zoologica: Scientific contributions of the New York Zoological Society.

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ACCESSIONS, 1947-48.

- Dr. H. H. Allan: Herbarium sheets of native plants.
Mr. L. R. Allen: Rock and mineral specimens.
Mr. Anderson: Fossil tooth of Great White Shark.
Mr. C. R. Anderson: Ethnographical specimens from Nukulaelae.
Mrs. G. Archey: Kahawai hook and three greenstone chisels, Banks Peninsula.
Miss P. Archey: Four shilling piece, Geo. III.
Mrs. Sydney Aris: Polynesian and Micronesian ethnographical material.
Mr. J. D. Barker: Spiny Ant-eater.
Mr. S. Barry: Aeneolithic period red pottery jar and other Chinese articles; deposited.
Mr. R. S. Benjamin: Small wooden bowl from Otumotai.
Mrs. M. Bennett: Yoke band of christening robe, Tudor period.
Mr. W. G. Black: Wooden *ko*.
Mr. G. B. Bolt: Builder's model of De Haviland Rapide Biplane.
Mr. H. H. Bray: Fossil sea-urchin, Mangapehi Coal Mine.
Mr. Irwin Brophy: Naval ship leg-irons.
Mr. A. H. B. Bromwell: Fledgling of albino skylark.
Mr. W. E. Browne: Two wooden fern root beaters.
Major G. A. Buddle: Specimens of introduced birds.
Mr. P. C. Bull: Australian boomerangs.
Rev. C. J. Bush-King, V.D., C.F.: Pencil sketch made from Walker's Ridge, Anzac, shortly after the landing, 1915.
Cambridge Museum of Archaeology and Ethnology, England: Hawaiian feather cloak.
Lieut. A. G. Carnahan, R.N.R.: Saunders Cup 14-footer "Iron Duke," raced by His Excellency Viscount Jellicoe of Scapa. Stone adze found in Newmarket.
Mrs. F. C. Carr: Norwegian carved wooden cradle.
Mr. F. C. Carr: Observation beehive.
Mr. S. V. Caulton: Four finely-carved bone spear points.
Mr. Chapman: Carved stone crocodile head and carved human head.
Mrs. A. Cheeseman: Medals, badges and sash of Colour-Sergeant Peter Ferguson, 58th Foot.
Mr. Daniel Cobb: Battersea enamel patch box, c. 1740.
Mr. J. W. Coleman: Carved wooden figure, Solomon Islands.
Mr. A. Collins: Brazilian silver coin, Portuguese period.
Mr. R. Cooper: Bone mere and two stone toki.
Dr. W. Cottier: Collection of plants from Norfolk Island.
Mrs. J. Coulter: Collection of mosses from Fiji.
Mr. A. J. Cox: English Landau, made by Offord & Sons, London.
Master Desmond Dargan: Fossil seaweed: Waitemata formation.
Dr. C. M. Dawson: Four Samoan tattooing implements.
Mrs. John Dawson: Curved dagger—hilt and scabbard gilded.
Mr. G. S. Dean: Bronze mortar and pestle.
Mr. J. T. Diamond: Model Maori pa.
Mr. J. C. Entrican: Extensive collection of coins, and books on numismatics.
Mr. J. Eyre: Stone adze.
Mr. R. Farrelly: Volcanic ash, 1945 eruption of Ruapehu.
Misses B. and M. Fenton: Maori adzes, sinkers and fern-root beaters.
Mr. M. E. Fitzgerald: Specimens of introduced birds.
Mr. E. T. Frost: Fossil coconuts and plants, Cooper's Beach.
Miss B. Gardner: Two pottery vases.

- Mr. Gay: Stone adze found at Bluff, January, 1873.
 Rev. R. F. Geddes: Iron knife, inlaid with gold, and small carvings from India.
 Mr. W. A. George: Patu tuna.
 Mr. H. Goldie: Set of samples of New Zealand timbers.
 Mr. W. Wallace Gunson: Georgian silver bowl (presented) and several Georgian silver spoons (deposited).
 Mr. B. C. Hadfield: Scale model of "Great Republic" made by donor.
 Lieut.-Col. S. Hanna, D.S.C.: Russian newspaper giving account of Tsar Nicholas's abdication.
 Mrs. A. G. Head: Tika dart and other ethnographical articles.
 Mr. J. Healy: Flow andesite.
 Mr. James Herbert: Waka kereru.
 Mr. A. H. Hibburt: Rimu burr.
 Mr. L. W. Hickford: Stone adze and moa crop stones.
 Mr. J. Hilliard: Pearl and turtle shell trolling hook, Intong, Java.
 Mr. H. W. Hopkins: Large specimen of quartz pseudomorphous after calcite.
 Miss M. L. Hurrey: Photographs of Maoris at Ruatahuna, 1902.
 Mrs. Gaimor Jackson: Piece of tapa and photograph of early sketch of Auckland.
 Mrs. J. Jammett: Wooden paddle.
 Miss E. L. Keen: Fire watcher's wooden rattle and policeman's baton.
 Mrs. M. Keith: Glazed pot from Borneo and tambua from Fiji.
 Mrs. M. Keith: Bornean gong; Melanesian ornaments.
 Mr. H. R. Kennedy: Stone adze.
 Miss E. F. Kibblewhite: Collection of pressed plants.
 Mr. E. J. King: Ruby tin ore.
 Dr. S. Koperberg: Javanese ethnographical specimens.
 Mr. V. Lindauer: Five fascicles of N.Z. seaweeds.
 Miss J. Livingston: Collection of pressed plants.
 Mr. W. B. Lord: Maori fishing sinker.
 Messrs. Mabey Bros.: Ko (wooden digging implement).
 Mr. W. Madden: Tail of lyre-ird and emu eggs; carved box.
 Mr. Marr: German parachute harness, Norway.
 Miss O. Marshall: Bead-embroidered pouch.
 Mr. A. P. Mason: Collection of Devonian fossils, Baton River and Lankey's Gulley.
 Mr. E. R. H. Miller: Pair of horns decorated with etched figures.
 Miss J. Miller: Prehistoric stone implements from Southern Rhodesia.
 Mr. H. B. Minchin: Carved wooden flute with bone toggle attached.
 Mr. J. F. Moir: Stone fishing weight.
 Mr. L. Mollet: Walking stick of teak, Guernsey Island.
 Dr. A. Eisdell Moore: Collection of coins.
 Mrs. W. Alex Moore: European decorative art specimens and envelope with postmarked King Edward VII stamp.
 Mr. Gordon Morris: Japanese pay slip and embroidered prayer.
 Mrs. J. Morris: Fine greenstone adze.
 Mr. McIntosh: Small greenstone chisel.
 Rev. G. W. McKenzie: Grooved stone axe and stone implement.
 Miss Myrna McLeod: Perforated stone sinker.
 Mrs. S. McNab: Mineral specimens.
 Estate of the late Mr. E. J. Newland: 7-chamber revolver.
 Mr. W. K. Nicholls: Set of coins.
 Dr. W. R. B. Oliver: Herbarium sheets of new species of plants, and several notebooks of Mr. T. F. Cheeseman.

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- Mr. A. J. O'Shanassy: Silver brooch, 1713.
 Otago Museum, Dunedin: Socketed shell adze.
 Miss I. H. Pirie: Rock specimens from New South Wales.
 Mr. H. N. Pountney: Stained glass fragments from Arras Cathedral, 1914-1918 War.
 Mrs. Price: Model of Java house.
 Mr. J. Prickett: Stone adzes.
 Mr. R. W. E. Pudney: Natural history specimens, old thread-winder, and two pewter plate warmers.
 Mr. J. R. Rabukawaga: Piece of tapa, Fiji.
 Miss M. Rayner: Sandstone concretion.
 Mrs. K. Reeve-Smith: Six silver spoons (XVII century) and one pewter spoon, probably Elizabethan.
 Mr. C. P. Roberts: Nests of mason wasp (*Pison spinolae*).
 Messrs Robinson Bros.: Throwing club, Fiji.
 Mr. G. O. K. Sainsbury: Collection of pressed plants from Lake Waikaremoana.
 Mr. P. Searle: Fijian whale-tooth pendant.
 Mr. W. J. Searle: Fijian kava bowl.
 Mr. G. Simpson: Herbarium sheets of new species of native plants, and photographs of alpine plants.
 Mrs. D. F. Small: Pair of gloves ornamented with beads from British Colombia, and lady's shoe from China.
 Miss I. Stennett: Silver Chinese cup; bronze ikon.
 Mrs. A. D. Stewart: Melanesian weapons.
 Mr. J. Stewart: Occupation Currency Notes: France; Italy; Burma; Japan.
 Southland Museum, Invercargill: Bone fish hooks in process of manufacture and bone specimens and stone adzes.
 Mrs. D. S. Taylor: Hei tiki.
 Mr. A. Thompson: One kukri and two Japanese bayonets and occupation money.
 Dr. L. J. Thompson: Oil painting, "The Antiquary," Wilmot; painted mural.
 Mr. Geoffrey Upton: T'anoa-kava (yangona) bowl, given to donor by Ratu Lama, of Taveuni Fiji.
 Mr. I. E. Waldie: Model head of Queen Nefretete.
 Mr. F. Wallis: Collection of 30 pieces of N.Z. woods, turned by the donor.
 Mr. Ralph Ward: Male and female specimens of *Dactylanthus Tylori*.
 Mrs. J. Warriner: Sandstone concretions.
 Mr. R. Wasmuth: Fragment of trephined skull, and sling from New Caledonia.
 Mr. Thomas Wetherill: Two daggers in sheaths, Turkish medals, and repair outfit for M.L. Gun, Balaclava, Crimea War.
 Mr. F. D. White: Colony of Italian bees and hive equipment.
 Mr. G. Whitefield: Two wooden fern root beaters.
 Mrs. F. R. Wright: Candle-mould of early colonial days.
 Zoological Park: Wallaroo, Griffon vulture, tiger, and cattle egret.

Members of the Auckland Institute.

HONORARY LIFE MEMBERS.

Sir Cecil Leys.
Captain G. A. Humphreys-Davies.
Sir Frank Mappin, Bart.
J. C. Rennie, Esq.
Professor H. W. Segar, M.A., F.R.S.N.Z.
E. Earle Vaile, Esq.
W. G. White, Esq.

LIFE MEMBERS.

Adams, L.
Aimer, K. W.
Alison, E. W.
Aldritt, C.
Ambler, F. N.
Anderson, E.
Archey, Gilbert, O.B.E., M.A.,
D.Sc., F.R.S.N.Z.
Ashby, T. W. M., F.R.A.N.Z.,
F.A.I.S.
Astley, Frank E.
Astley, F. Lloyd.
Attwood, F.

Barrowclough, Maj-Gen. H. E.,
C.B., D.S.O., M.C.
Bartlett, W. H.
Bartrum, Professor J. A., M.Sc.,
F.R.S.N.Z.
Batten, Wayne.
Bell, G. B., B.Sc.
Bennett, C. F.
Bishop, T. A., B.A.
Blackwell, Mrs. E. M.
Bledisloe, Rt. Hon. Viscount,
P.C., G.C.M.G., K.B.E., D.Sc.
Bollard, A. E.
Booth, C. H.
Bow, A. F.
Brett, Arthur.
Briggs, Professor L. H., D.Sc.,
Ph.D., F.R.S.N.Z.
Brodziak, N.
Brooker, S. G., M.Sc.
Brown, A. G.
Brown, Miss E.
Brown, Harvey St. C.
Browne, Miss L. M.
Browne, W. E., B.Sc.
Brownlee, Mrs. G.

Buchanan, K. R.
Buck, Sir Peter (Rangi Hiroa),
K.C.M.G., D.S.O., M.D.,
D.Sc., F.R.S.N.Z.
Buddle, H. D.
Bull, Peter C.
Bunby, H. S.
Buttle, R.

Carr, S. Austin.
Caughey, Dr. J. E.
Clayton, D. L.
Clements, T.
Clinch, Dr. J. A.
Coakley, L. J.
Cocker, Mrs. W. H., M.B.E.,
M.Sc.
Comyns, C. C.
Connor, Mrs. S.
Court, A. H.
Cousins, H. G., M.A.
Craig, J. C.
Crompton, W. J.
Crookes, Miss M. W., M.A.
Crookes, S. Irwin, M.I.Chem.E.,
M.I.E.E.

Dale, T. J.
Davis, Sir Ernest.
Dearsley, H. P.
De Courcy, Dr. Grace.
Dickson, J. F. W., LL.B.
Dignan, A. A.
Dixon, C. E., M.Sc.
Donald, J. B.
Draffin, M. K., M.C., F.R.I.B.A.
Duthie, N. A., D.S.O.

Eady, A. T.
Edgelow, Miss K. I.
Edwards, J. S.

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- Elliffe, J. M.
 Elliot, Sir George.
 Ellis, Sir Albert, C.M.G.
 Endean, W. P., LL.B.
 Entrican, J. C.
 Ewen, J. F. A.
- Fairclough, Dr. W. A.
 Falla, R. A., M.A., D.Sc.,
 F.R.S.N.Z.
 Ferguson, A. L.
 Ferguson, Dr. R. G.
 Fielder, F. H. V., B.Sc.
 Firth, C. W., M.Sc., Assoc.
 M.Inst.C.E.
 Firth, Professor R. W., M.A.,
 Ph.D.
 Fleming, C. A., B.A., M.Sc.
 Fletcher, Sir James.
 Ford, A. E.
 Ford, C. E.
 Fraser, W. M., C.E.
 Gardner, C. F.
 Gentles, J. A.
 George, Sidney Thorne.
 Gillman, Miss A. M.
 Goldie, A.
 Goodfellow, W.
 Gordon, M. J.
 Graham, Geo.
 Gummer, W. H., F.R.I.B.A.
 Gunson, Lady.
 Gunson, Dr. E. B.
- Hannken, P. B., B.Sc.
 Harrington, H. J.
 Hatch, E. D.
 Hayman, L. T.
 Hellaby, F. A., M.C.
 Hemingway, Mrs. W.H.
 *Henley, Lieut. J. C.,
 D.C.M., N.Z.M.C.
- Herangi, —
 Princess Te Puea, C.B.E.
 Hole, Mrs. G.
 Holt, Mrs. J. H.
 Hooker, O. L.
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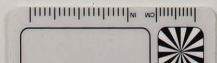
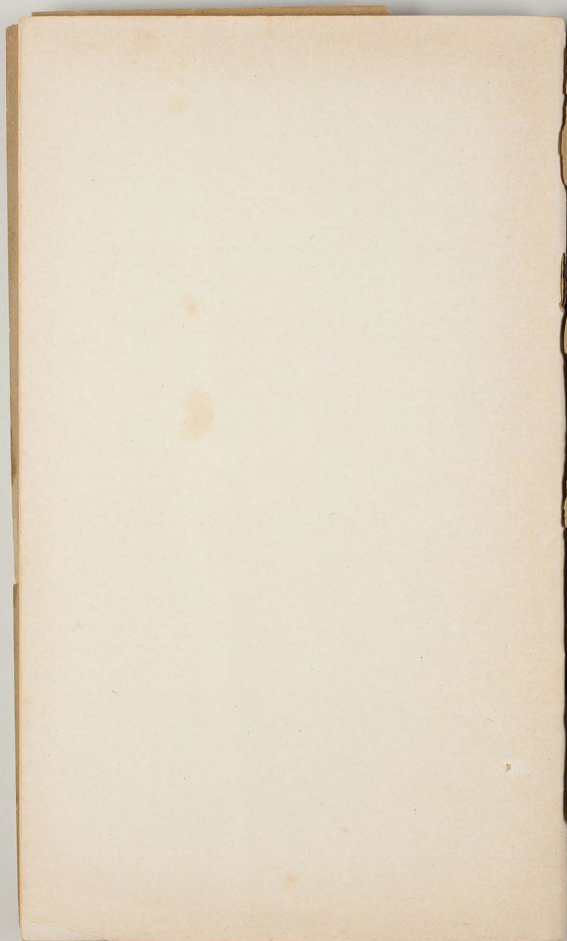
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If additional help cannot be given now, a bequest would be of great value.

Form of Bequest.

I give and bequeath to the Institution known as the Auckland Institute and Museum the sum of £..... free of succession or estate duty to be applicable for the general purposes of such Institution. And I declare that the receipt of the Treasurer or the proper officer for the time being of such Institution shall be a sufficient discharge for the same.

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